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U.S. PTOPlease type a plus sign (+) inside this box →

PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	8021-174 (SS-18151-US)
First Inventor	Jung-bae LEE
Title	ON DIE TERMINATION CIRCUIT AND...
Express Mail Label No.	EV413369395US

22390 U.S. PTO
10/16/20
111803

APPLICATION ELEMENTS		ADDRESS TO:	
See MPEP chapter 600 concerning utility patent application contents.			
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small>		Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
2. <input type="checkbox"/> Applicant claims small entity status. <small>See 37 CFR 1.27.</small>			
3. <input checked="" type="checkbox"/> Specification [Total Pages 17] <small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none"> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (<i>if filed</i>) - Detailed Description - Claim(s) - Abstract of the Disclosure 		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (<i>Appendix</i>)	
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 5]		8. Nucleotide and/or Amino Acid Sequence Submission (<i>if applicable, all necessary</i>)	
5. Oath or Declaration [Total Pages 2]		a. <input checked="" type="checkbox"/> Newly executed (original or copy) <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <small>(for continuation/divisional with Box 18 completed)</small>	
i. <input type="checkbox"/> DELETION OF INVENTOR(S) <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small>		b. <input type="checkbox"/> Computer Readable Form (CRF)	
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		c. <input type="checkbox"/> Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper 	
ACCOMPANYING APPLICATION PARTS			
9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))			
10. <input type="checkbox"/> 37 CFR 3.73(b) Statement		<small>(when there is an assignee)</small> <input checked="" type="checkbox"/> Power of Attorney	
11. <input type="checkbox"/> English Translation Document (<i>if applicable</i>)			
12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449		<input type="checkbox"/> Copies of IDS Citations	
13. <input type="checkbox"/> Preliminary Amendment			
14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small>			
15. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small>			
16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.			
17. <input checked="" type="checkbox"/> Other: Credit Card Payment Form..... <small>PTO-2038</small>			

18. If a CONTINUATING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-In-part (CIP)

of prior application No.: _____ / _____

Prior application Information:

Examiner _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label <div style="border: 1px solid black; padding: 2px; display: inline-block; width: 150px; height: 20px; vertical-align: middle; margin-left: 10px;"> <small>(Insert Customer No. or Attach bar code label here)</small> </div>		or <input type="checkbox"/> Correspondence address below	
Name Frank Chau			
Address 1900 Hempstead Turnpike Suite 501			
City East Meadow		State NY	Zip Code 11554
Country 		Telephone Fax 	
Name (Print/Type) Eric M. Parham		Registration No. (Attorney/Agent) 45,747	
Signature		Date Nov. 18, 2003	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL

for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,072.00)

Complete if Known

Application Number	
Filing Date	November 18, 2003
First Named Inventor	Jung-bae LEE
Examiner Name	
Art Unit	
Attorney Docket No.	8021-174 (SS-18151-US)

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

Deposit Account:

Deposit Account Number
50-0679

F.CHAU & ASSOCIATES, LLC

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
- Charge any additional fee(s) or any underpayment of fee(s)
- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 770	2001 385	Utility filing fee	770.00
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)		(\$ 770.00)	

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	25	-20** = 5	x 18	= 90
Independent Claims	5	-3** = 2	x 86	= 172
Multiple Dependent			290	=

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 262.00)

*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath			
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet			
1053 130	1053 130	Non-English specification			
1812 2,520	1812 2,520	For filing a request for ex parte reexamination			
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action			
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action			
1251 110	2251 55	Extension for reply within first month			
1252 420	2252 210	Extension for reply within second month			
1253 950	2253 475	Extension for reply within third month			
1254 1,480	2254 740	Extension for reply within fourth month			
1255 2,010	2255 1,005	Extension for reply within fifth month			
1401 330	2401 165	Notice of Appeal			
1402 330	2402 165	Filing a brief in support of an appeal			
1403 290	2403 145	Request for oral hearing			
1451 1,510	1451 1,510	Petition to institute a public use proceeding			
1452 110	2452 55	Petition to revive - unavoidable			
1453 1,330	2453 665	Petition to revive - unintentional			
1501 1,330	2501 665	Utility issue fee (or reissue)			
1502 480	2502 240	Design issue fee			
1503 640	2503 320	Plant issue fee			
1460 130	1460 130	Petitions to the Commissioner			
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)			
1806 180	1806 180	Submission of Information Disclosure Stmt			
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	40		
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))			
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))			
1801 770	2801 385	Request for Continued Examination (RCE)			
1802 900	1802 900	Request for expedited examination of a design application			

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Eric M. Parham	Registration No. (Attorney/Agent)	45,747	Telephone	516-357-0091
Signature				Date	Nov. 18, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PATENT APPLICATION

Atty. Docket No. 8021-174 (SS-18151-US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

UTILITY APPLICATION FEE TRANSMITTAL

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Jung-bae LEE

For: ON-DIE TERMINATION CIRCUIT AND METHOD FOR
REDUCING ON-CHIP DC CURRENT, AND MEMORY SYSTEM
INCLUDING MEMORY DEVICE HAVING THE SAME

Enclosed are:

[X] 10 page(s) of specification

[X] 1 page(s) of Abstract

[X] 6 page(s) of claims

[X] 5 sheets of drawings [X] formal [] informal

[X] 2 page(s) of Declaration and Power of Attorney

[X] An Assignment of the invention to Samsung Electronics Co., Ltd.

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date November 18, 2003 in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EV413369395US addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Eric M. Parham
(Type or print name of person mailing paper)


E. Parham
(Signature of person mailing paper)

[] This application claims the benefit under 35 U.S.C.
§119(e) of U.S. Provisional Application(s) No(s).:

APPLICATION NO(S).:

FILING DATE

_____/_____

_____/_____

[X] Certified copy of applications

<u>Country</u>	<u>Appln. No.</u>	<u>Filed</u>
Korea	2002-72478	20 November 2002

from which priority under Title 35 United States Code, § 119
is claimed

[X] is enclosed.

[] will follow.

[] The fees to be charged are to be based on the number of
claims remaining as a result of the attached
Preliminary Amendment.

CALCULATION OF UTILITY APPLICATION FEE

<u>For</u>	<u>Number Filed</u>	<u>Number Extra</u>	<u>Rate</u>	<u>Basic Fee</u>
Total				\$770.00
Claims*	25	-20 = 5	x \$ 18.00	\$ 90.00
Independent				
Claims	5	-3 = 2	x \$ 86.00	\$172.00
Multiple	[] yes	Add'l. Fee	\$290.00	\$
Dependent				
Claims	[] no	Add'l. Fee	None	= \$
				TOTAL \$1,032.00

[] Applicant Claims Small Entity Status Under 37
C.F.R. § 1.27. Reduced fees under 37 C.F.R. § 1.9(f)
(50% of total) paid herewith \$_____.

*Includes all independent and single dependent claims and all claims referred to in multiple claims.
See 37 C.F.R. § 1.75(c).

- A check in the amount of \$_____ is enclosed for recording the attached Assignment.
- Please charge fee of \$40.00 for recording the attached assignment by Credit Card Payment Form PRO-2038 enclosed herewith.
- Please charge fee of \$1,032.00 to cover the filing fee by Credit Card Payment Form PTO-2038 enclosed herewith.
- Charge fee to Deposit Account No. 50-0679. Order No. 50-0679. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.
- Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and 1.17, at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 50-0679. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Date: Nov. 18, 2003



SIGNATURE OF ATTORNEY
Eric M. Parham
Reg. No. 45,747

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